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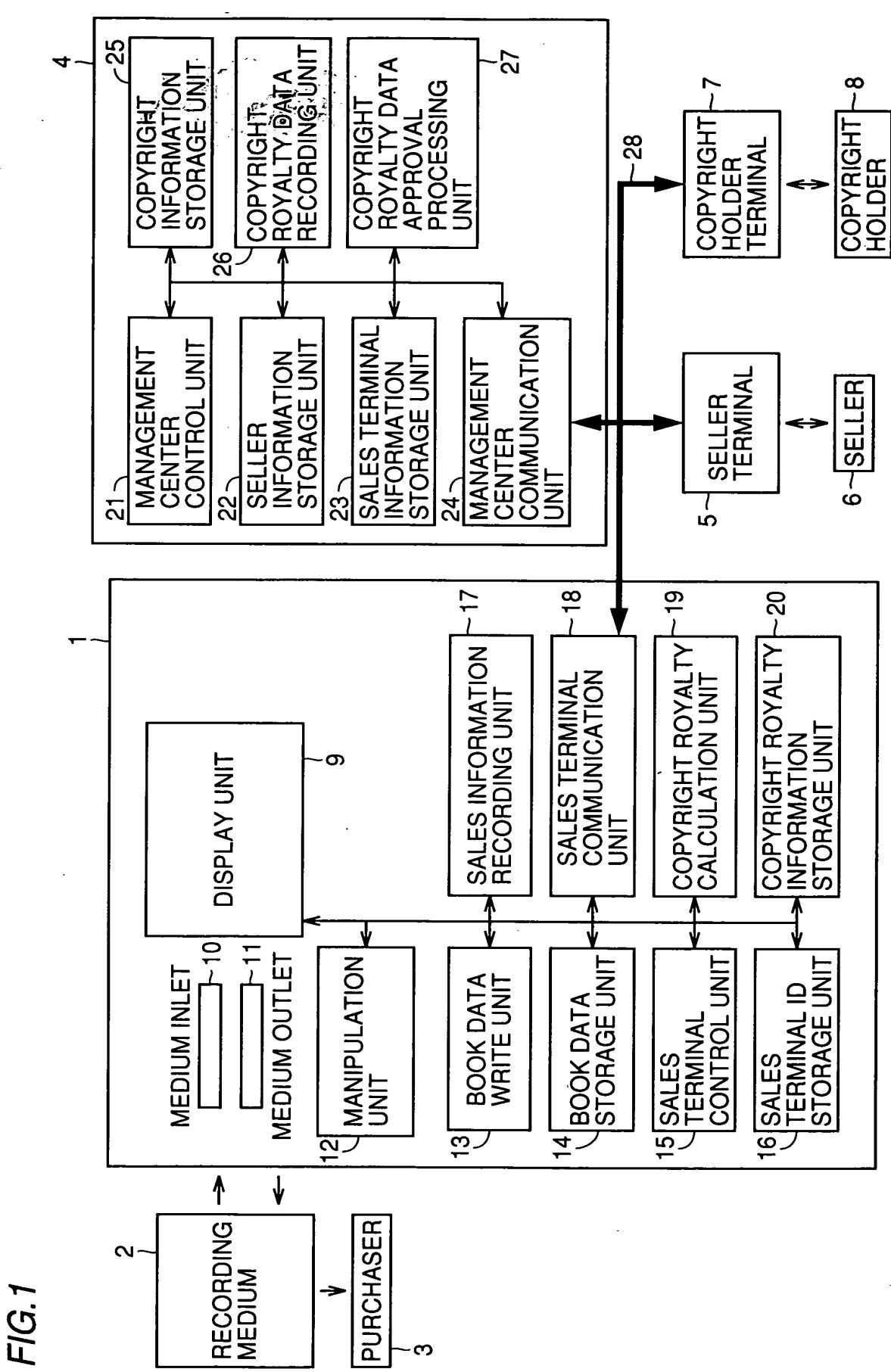
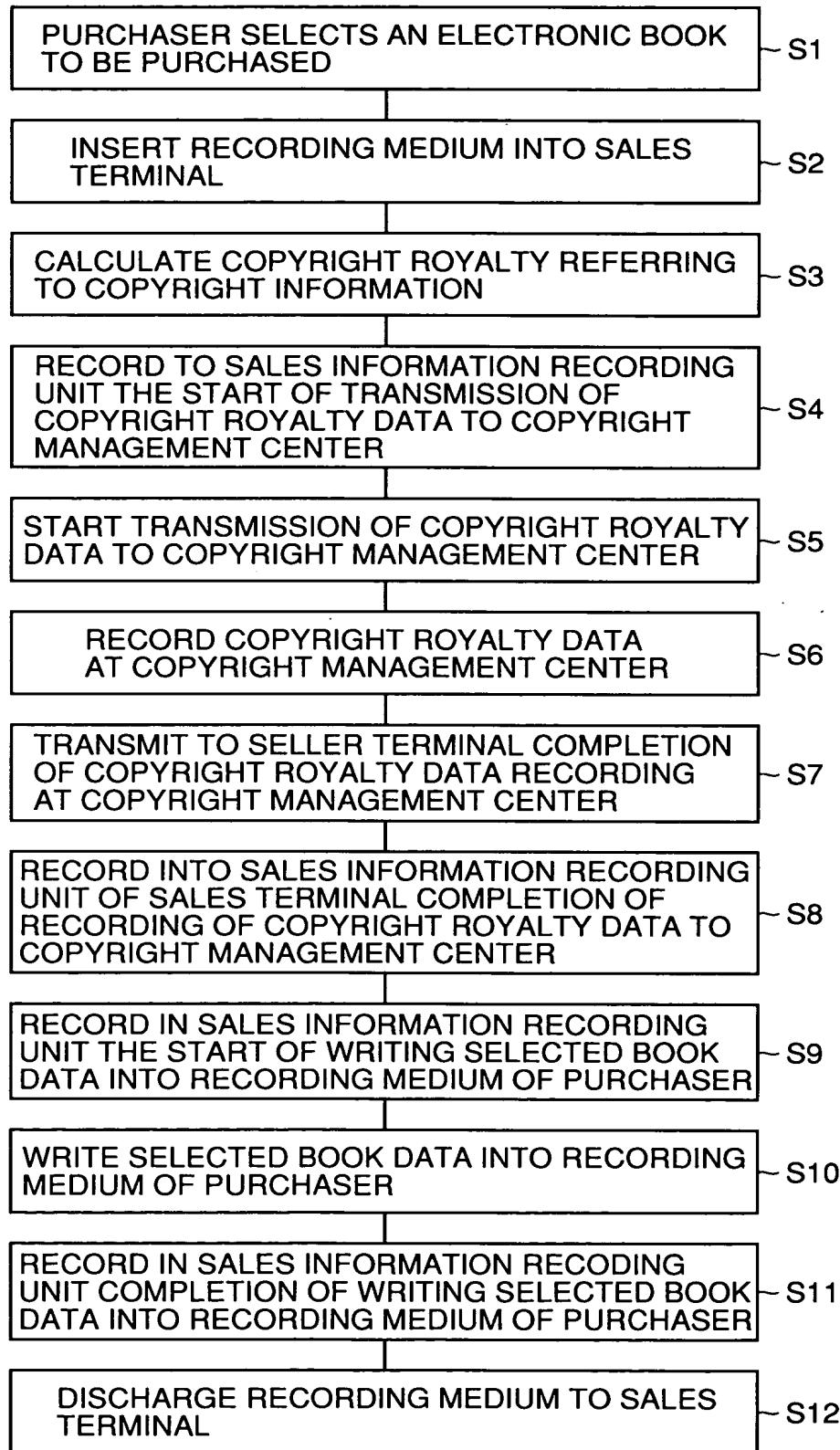


FIG.2



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FIG.3A

| |
|----------------------------------|
| BOOK 1-ID |
| DOCUMENT INFORMATION 1 |
| COPYRIGHT HOLDER A-ID |
| COPYRIGHT ROYALTY INFORMATION A1 |
| BOOK DATA A1 |

FIG.3B

| |
|----------------------------------|
| BOOK 2-ID |
| DOCUMENT INFORMATION 2 |
| COPYRIGHT HOLDER A-ID |
| COPYRIGHT ROYALTY INFORMATION A2 |
| BOOK DATA A2 |
| COPYRIGHT HOLDER B-ID |
| COPYRIGHT ROYALTY INFORMATION B2 |
| BOOK DATA B2 |
| : |

FIG.3C

| |
|-----------------------------------|
| BOOK 3-ID |
| DOCUMENT INFORMATION 3 |
| COPYRIGHT HOLDER A-ID |
| COPYRIGHT ROYALTY INFORMATION A3a |
| BOOK DATA A3a |
| COPYRIGHT HOLDER A-ID |
| COPYRIGHT ROYALTY INFORMATION A3b |
| BOOK DATA A3b |
| : |

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FIG.4

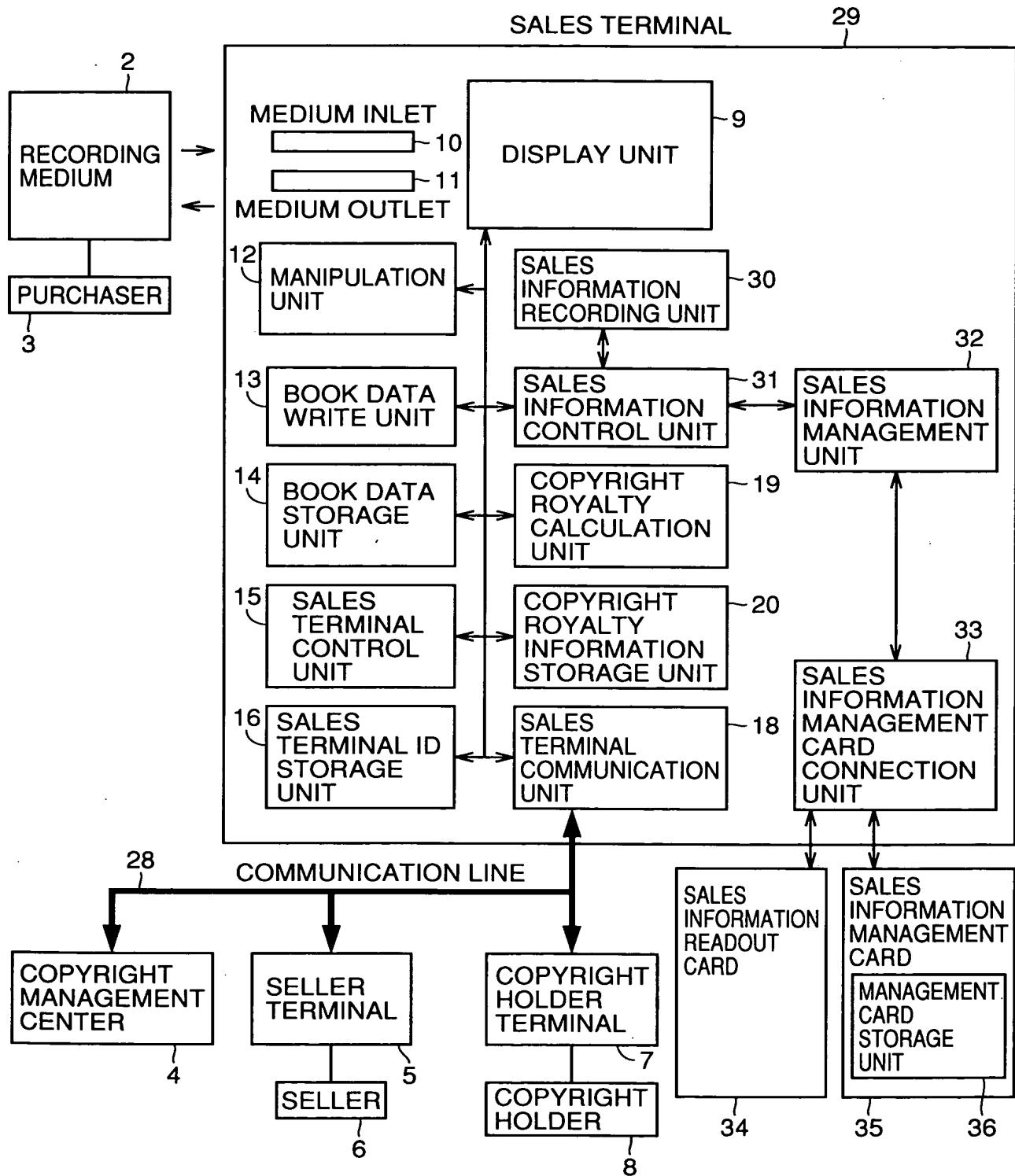
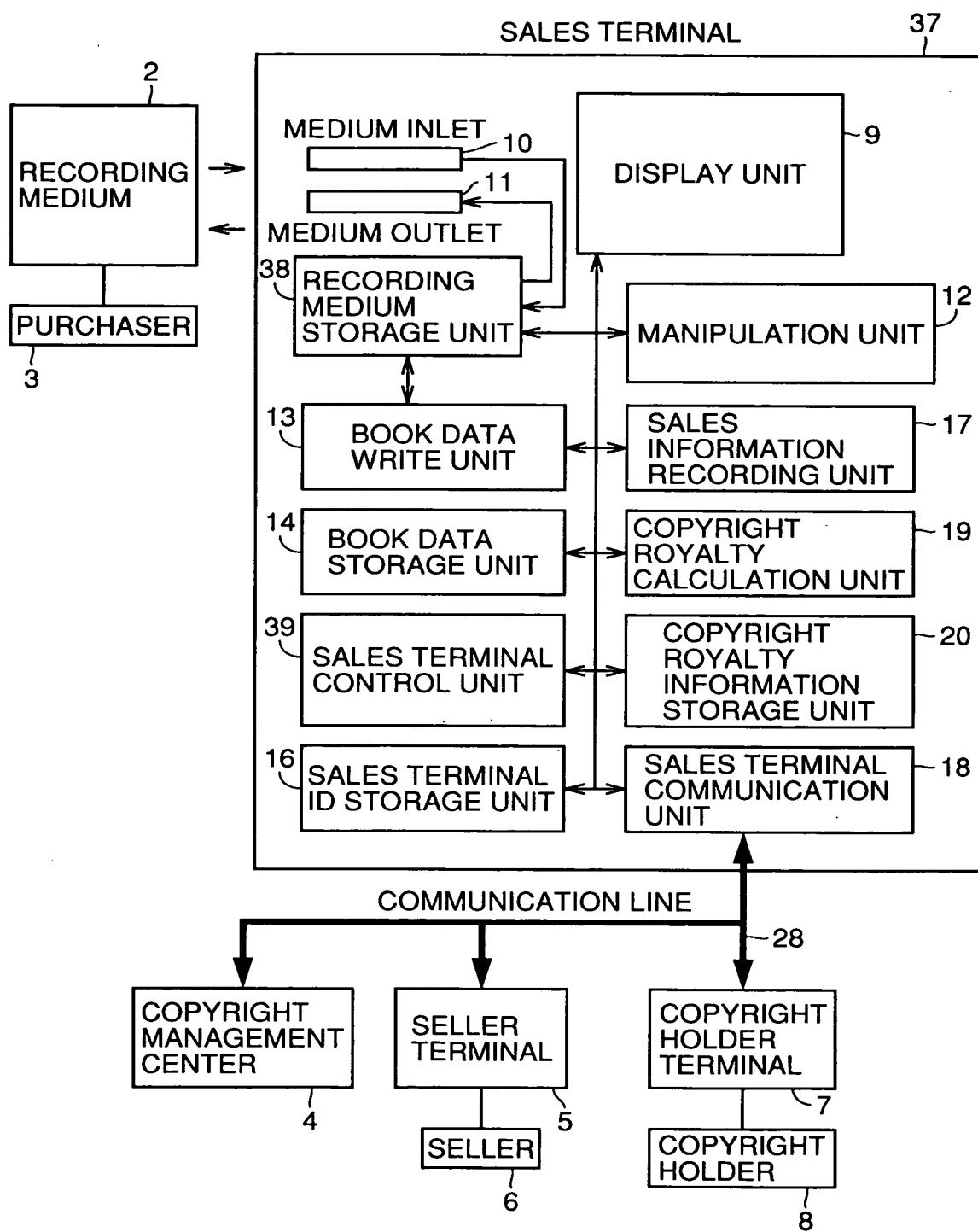
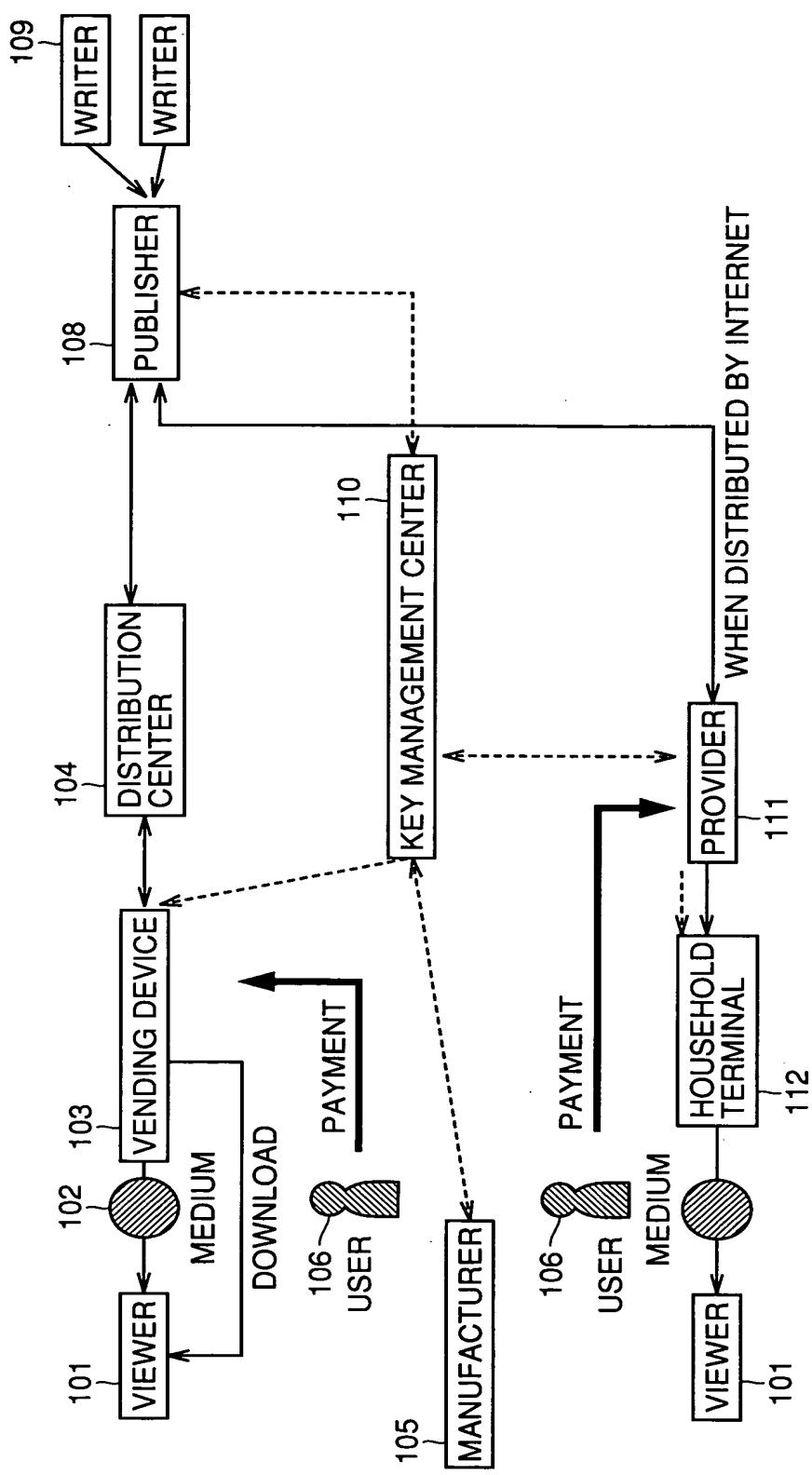


FIG.5



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FIG. 6



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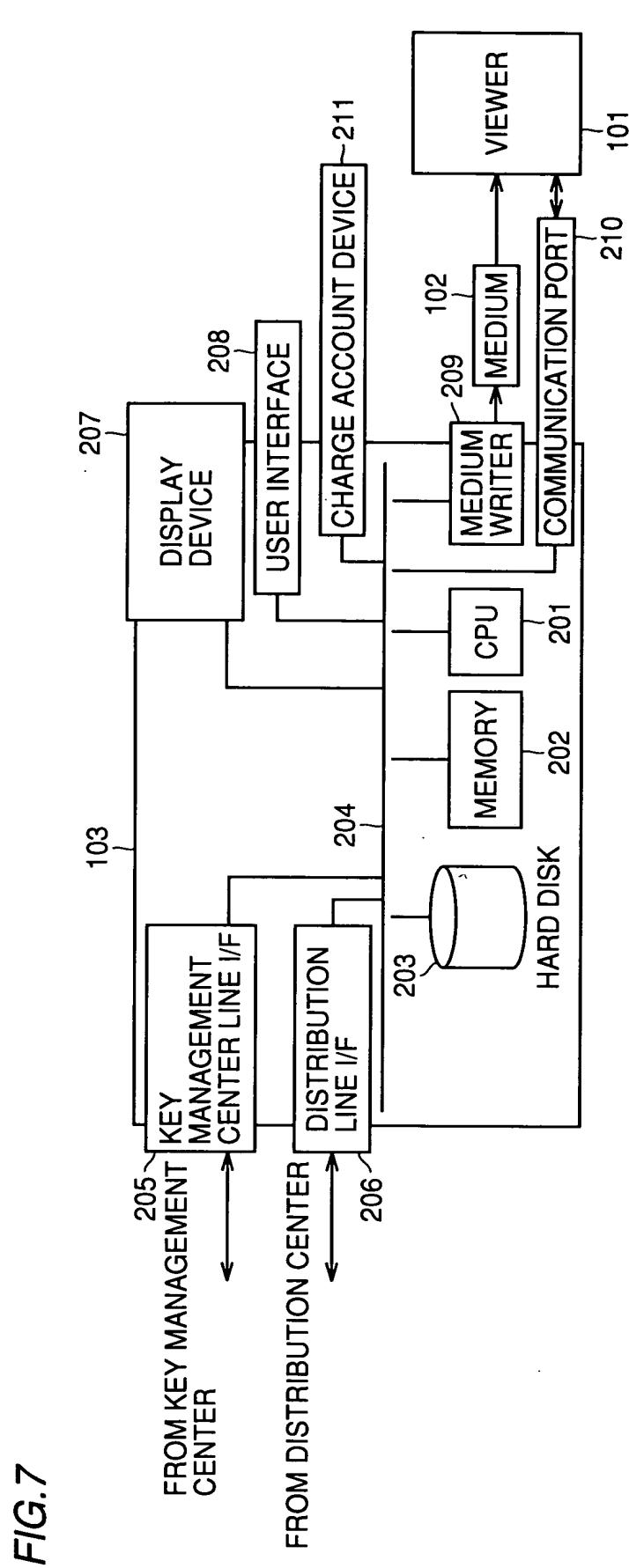
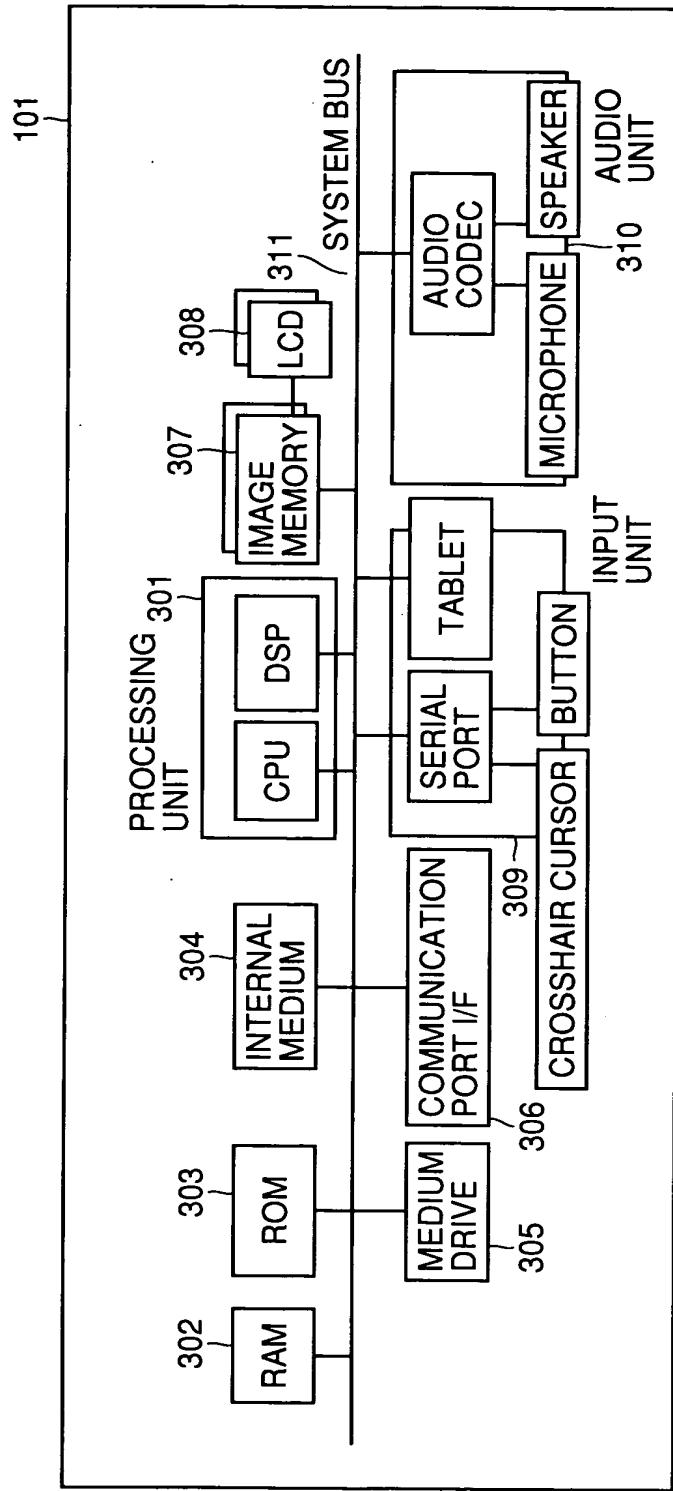
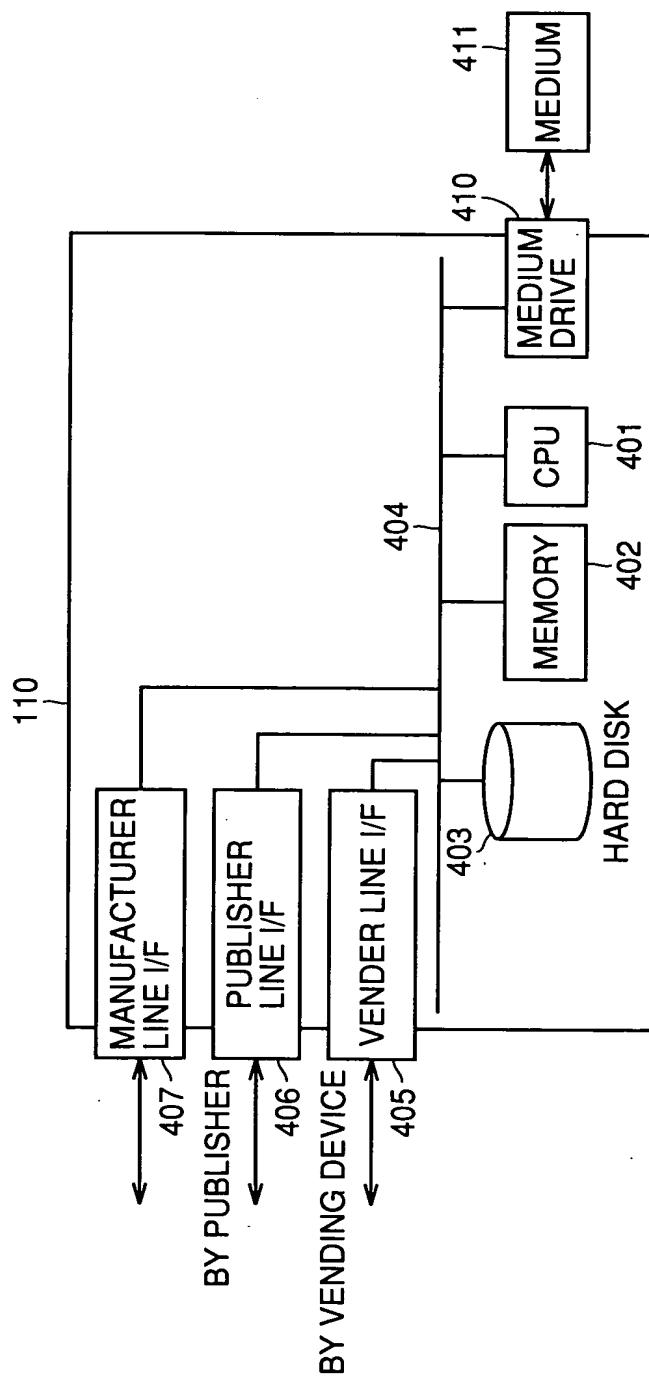


FIG.8



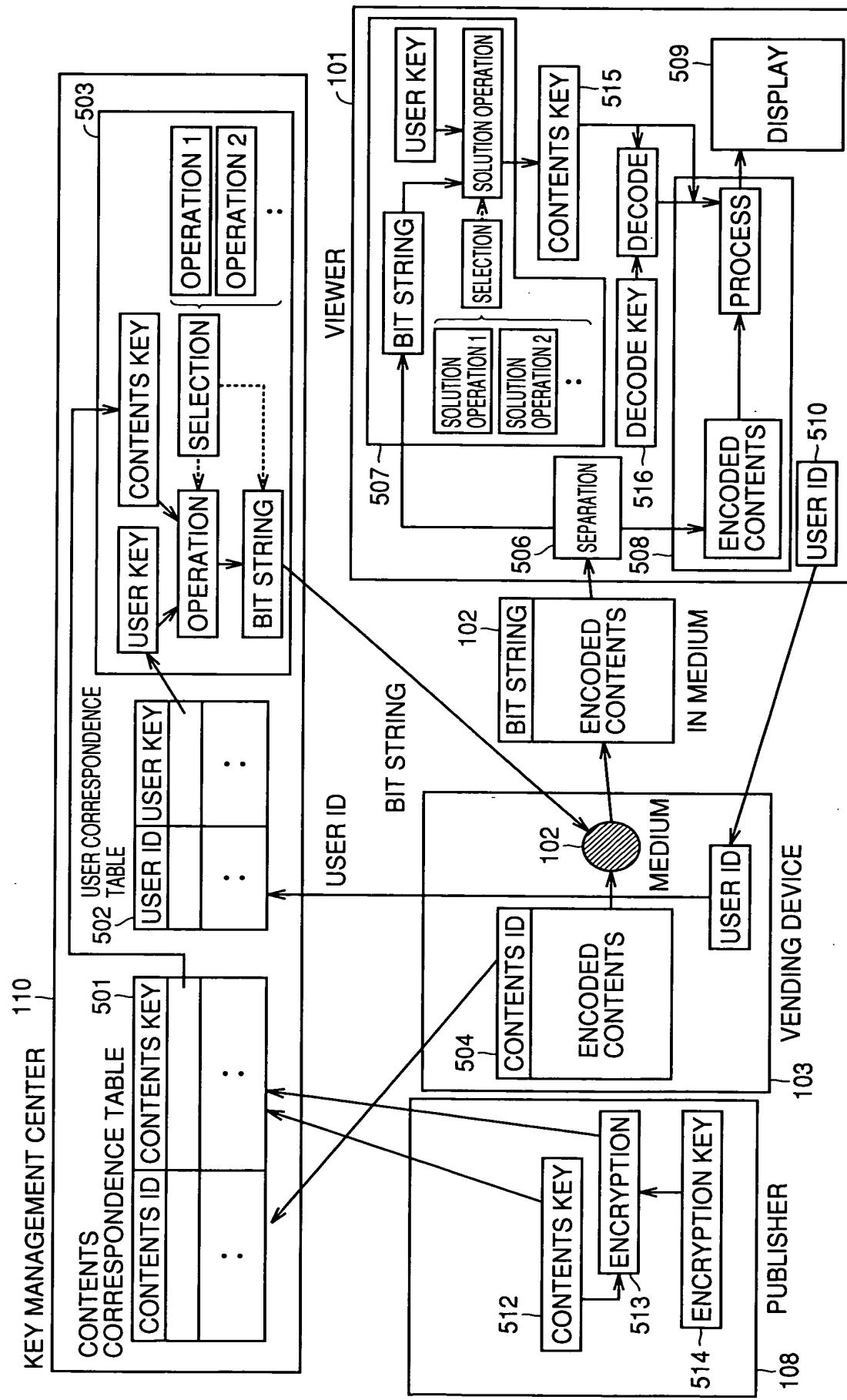
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FIG.9



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FIG. 10



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FIG.11

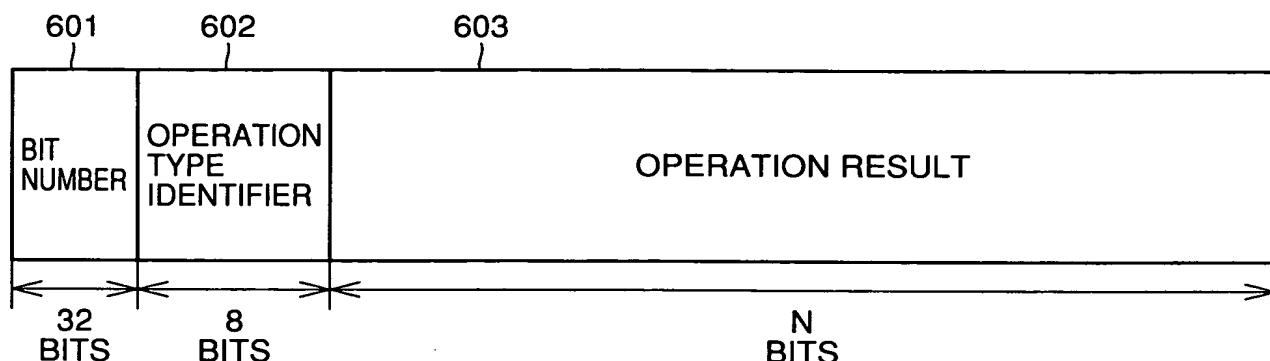


FIG.12

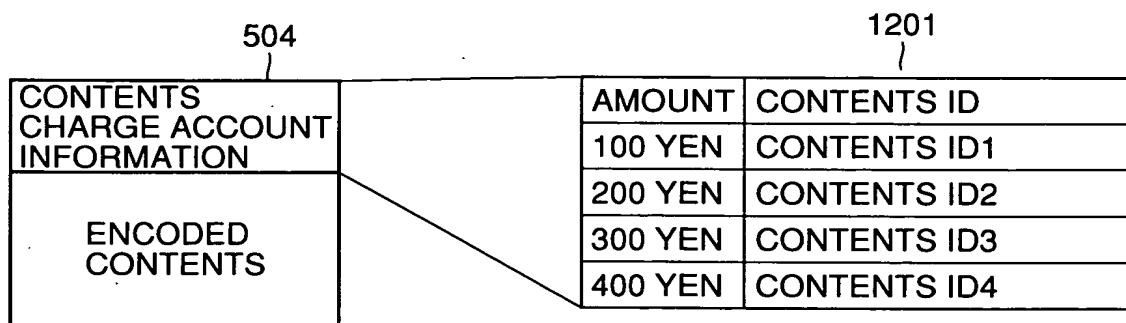


FIG. 13

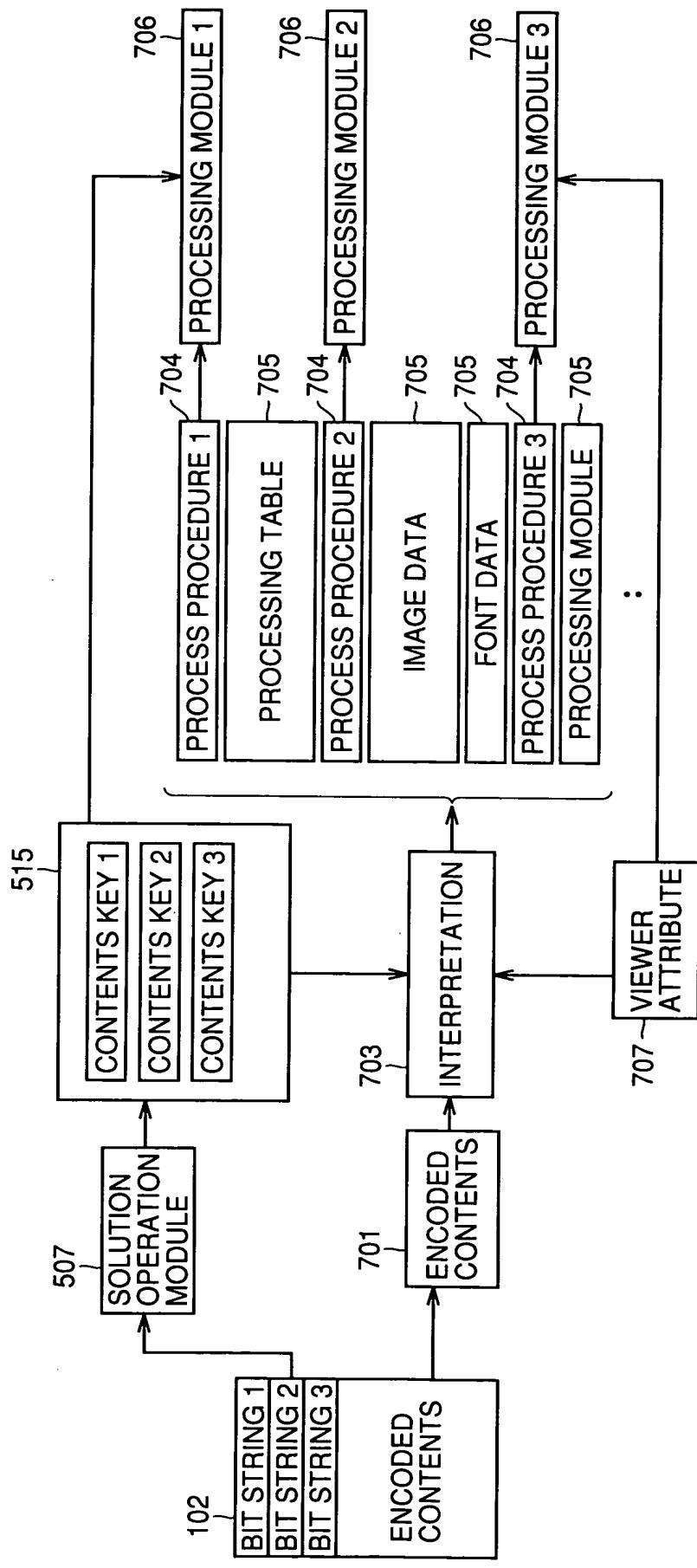
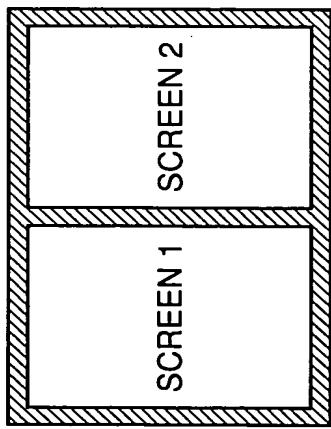
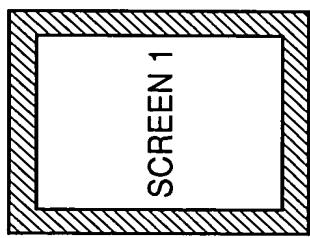
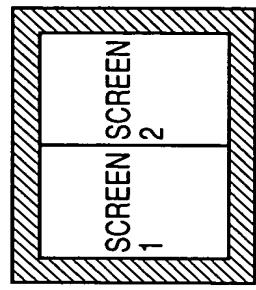
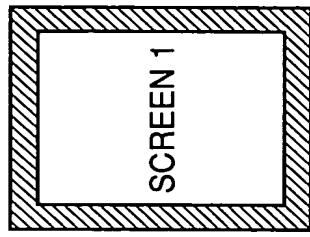


FIG. 14A*FIG. 14B**FIG. 14C**FIG. 14D*

768×1024 PIXELS
MONOCHROME 8 TONES
USE 2 LCD PANELS

768×1024 PIXELS
MONOCHROME 8 TONES
USE 1 LCD PANEL

480×640 PIXELS
260,000 COLORS
USE 1 LCD PANEL

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FIG.15

| DISPLAY FORMAT | NUMBER OF LCDs | LCD NUMBER OF PIXELS (XXY) | LCD COLOR | DISPLAYED DIRECTION | NUMBER OF PAGES |
|----------------|----------------|----------------------------|--------------------|---------------------|-----------------|
| (a) | 2 | 768×1024 | MONOCHROME 8 TONES | VERTICAL | 1 |
| (b) | 1 | 768×1024 | MONOCHROME 8 TONES | VERTICAL | 1 |
| (c) | 1 | 768×1024 | MONOCHROME 8 TONES | HORIZONTAL | 2 |
| (d) | 1 | 480×640 | 260,000 COLORS | VERTICAL | 1 |

FIG.16

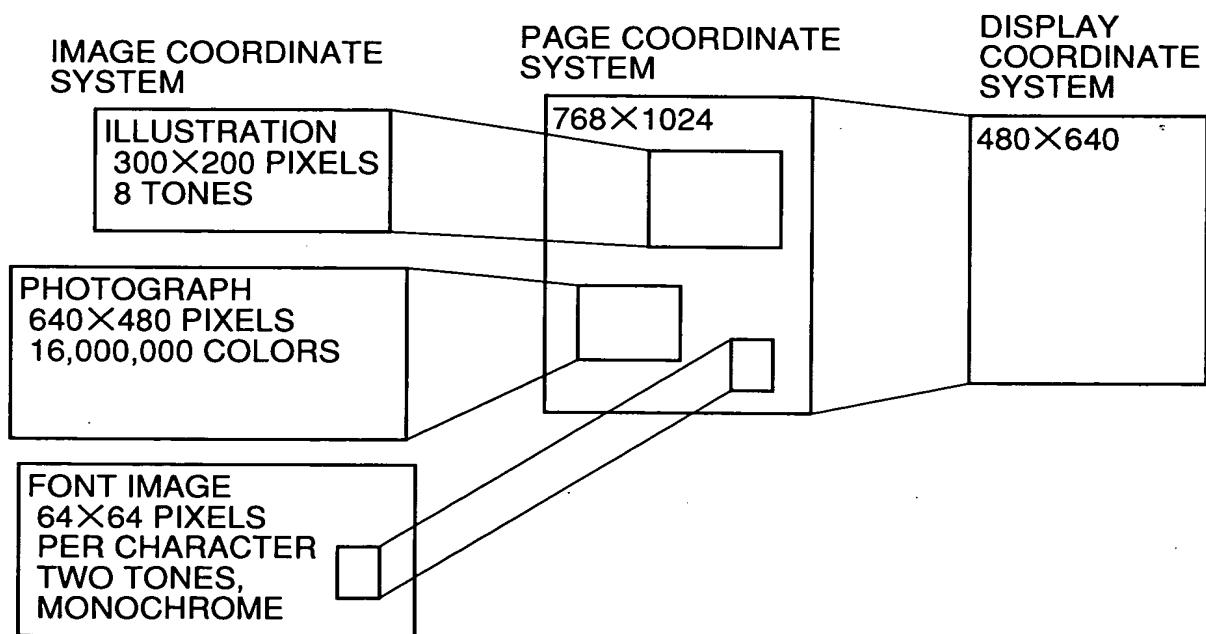


FIG. 17

| | | |
|-----------------------|---|------|
| IMAGE | IMAGE DATA STARTING DELIMITER | 1002 |
| 1 | IMAGE DATA ID NUMBER | 1003 |
| MH | COMPRESSION METHOD IDENTIFIER OF IMAGE DATA | 1004 |
| CONTENTS KEY 1 | CONTENTS KEY TYPE USED FOR PROCESS | 1005 |
| NONE | PROCESSING TABLE ID TO BE USED | 1006 |
| ENCODED IMAGE DATA | COMPRESSED IMAGE DATA | 1007 |
| /IMAGE | IMAGE DATA ENDING DELIMITER | 1008 |
| TABLE | PROCESSING TABLE STARTING DELIMITER | 1009 |
| 1 | TABLE ID NUMBER | |
| CONTENTS KEY 2 | KEY TYPE TO DECODE TABLE DATA | |
| TABLE DATA | | |
| /TABLE | PROCESSING TABLE ENDING DELIMITER | |
| MODULE | MODULE PROCESSING STARTING DELIMITER | |
| CAOS | MODULE NAME | |
| CONTENTS KEY 3 | KEY TYPE TO DECODE MODULE DATA | |
| ENCODE PROCESS MODULE | | |
| /MODULE | MODULE PROCESS ENDING DELIMITER | |
| PAGE | PAGE STARTING DELIMITER | |
| 768 | PAGE WIDTH IN PIXELS | |
| 1024 | PAGE HEIGHT IN PIXELS | |
| IMAGE | IMAGE DATA STARTING DELIMITER | |
| 2 | IMAGE DATA ID NUMBER | |
| JBIG | COMPRESSION METHOD IDENTIFIER OF IMAGE DATA | |
| 768X1024 | NUMBER OF DISPLAYABLE PIXELS (xY) | |
| CONTENTS KEY 2 | CONTENTS KEY TYPE USED IN PROCESS | |
| IMAGE DATA | | |
| /IMAGE | IMAGE DATA ENDING DELIMITER | |
| IMAGE | IMAGE DATA STARTING DELIMITER | |
| 2 | IMAGE DATA ID NUMBER | |
| JBIG | COMPRESSION METHOD IDENTIFIER OF IMAGE DATA | |
| 480X640 | NUMBER OF DISPLAYABLE PIXELS (xY) | |
| CONTENTS KEY 2 | CONTENTS KEY TYPE USED IN PROCESS | |
| ENCODED IMAGE DATA | | |
| /IMAGE | IMAGE DATA ENDING DELIMITER | |
| IMAGE | IMAGE DATA STARTING DELIMITER | |
| 3 | IMAGE DATA ID NUMBER | |
| JPEG | COMPRESSION METHOD IDENTIFIER OF IMAGE DATA | |
| CONTENTS KEY 3 | CONTENTS KEY TYPE USED IN PROCESS | |
| ENCODED IMAGE DATA | | |
| /IMAGE | IMAGE DATA ENDING DELIMITER | |

FIG. 18

| | |
|----------------|--|
| PUTIMAGE | IMAGE DRAW PROCESS STARTING DELIMITER |
| 1 | IMAGE DATA ID |
| 1 | ID NUMBER OF TABLE TO BE USED |
| 1 | ID NUMBER OF TABLE INTERNAL PROCESS |
| CONTENTS KEY 2 | |
| 0 | SOURCE X COORDINATE X _{so} |
| 0 | SOURCE Y COORDINATE Y _{so} |
| 100 | SOURCE RECTANGLE WIDTH IN PIXELS DX _s |
| 100 | SOURCE RECTANGLE HEIGHT IN PIXELS DY _s |
| 120 | DESTINATION X COORDINATE X _{do} |
| 150 | DESTINATION Y COORDINATE Y _{do} |
| 100 | DESTINATION RECTANGLE WIDTH IN PIXELS DX _d |
| 100 | DESTINATION RECTANGLE HEIGHT IN PIXELS DY _d |
| /PUTIMAGE | IMAGE DRAW PROCESS ENDING DELIMITER |
| BLUR | IMAGE BLUR PROCESS STARTING DELIMITER |
| 3 | IMAGE DATA ID |
| CONTENTS KEY 4 | |
| 3 | NUMBER OF SECONDS OF PROCESS START |
| 1 | TERM OF PROCESS REPETITION (SECONDS) |
| 10 | NUMBER OF REPETITIONS |
| 3 | BLUR RECTANGLE SIZE |
| 100 | SOURCE X COORDINATE X _{so} |
| 100 | SOURCE Y COORDINATE Y _{so} |
| 64 | SOURCE RECTANGLE WIDTH IN PIXELS DX |
| 64 | SOURCE RECTANGLE HEIGHT IN PIXELS DY |
| 530 | DESTINATION X COORDINATE X _{do} |
| 540 | DESTINATION Y COORDINATE Y _{do} |
| 64 | DESTINATION RECTANGLE WIDTH IN PIXELS DX _d |
| 64 | DESTINATION RECTANGLE HEIGHT IN PIXELS DY _d |
| /BLUR | IMAGE BLUR PROCESS ENDING DELIMITER |
| CAOS | CHAOS PROCESS STARTING DELIMITER |
| 2 | ID OF IMAGE DATA TO BE DRAWN |
| CONTENTS KEY 3 | |
| 0 | SOURCE X COORDINATE X _{so} |
| 0 | SOURCE Y COORDINATE Y _{so} |
| 100 | SOURCE RECTANGLE WIDTH IN PIXELS DX |
| 100 | SOURCE RECTANGLE HEIGHT IN PIXELS DY |
| 120 | DESTINATION X COORDINATE X _{do} |
| 150 | DESTINATION Y COORDINATE Y _{do} |
| 100 | DESTINATION RECTANGLE WIDTH IN PIXELS DX _d |
| 100 | DESTINATION RECTANGLE HEIGHT IN PIXELS DY _d |
| 10 | NUMBER OF REPETITIONS |
| 0.8 | INITIAL VALUE A |
| 3.8 | PROCESS PARAMETER P |
| /CAOS | CHAOS PROCESS ENDING DELIMITER |
| : | |
| /PAGE | PAGE ENDING DELIMITER |
| PAGE | |
| : | |
| /PAGE | |

STEP 8

STEP 9

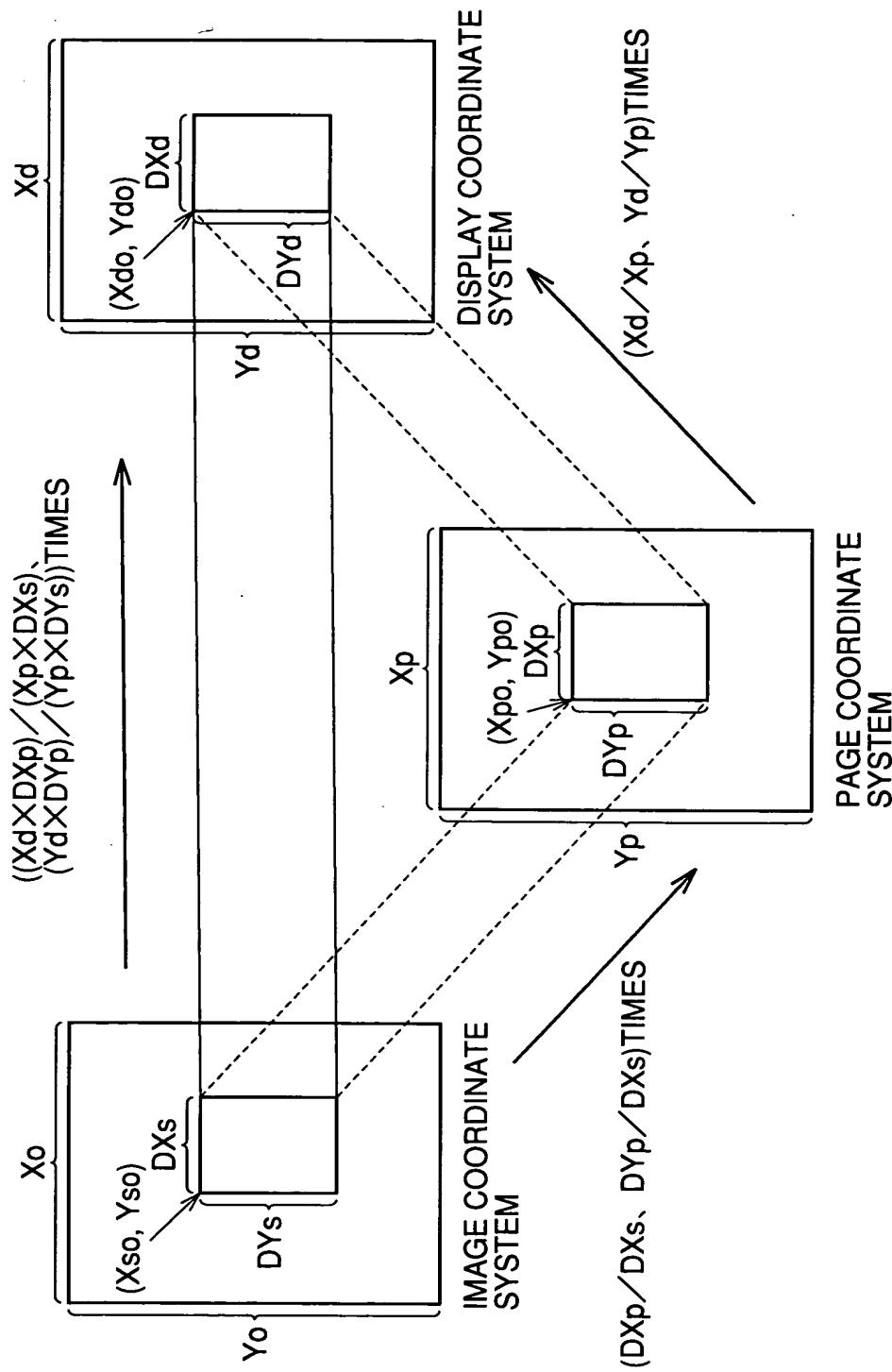
STEP 10

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FIG.19

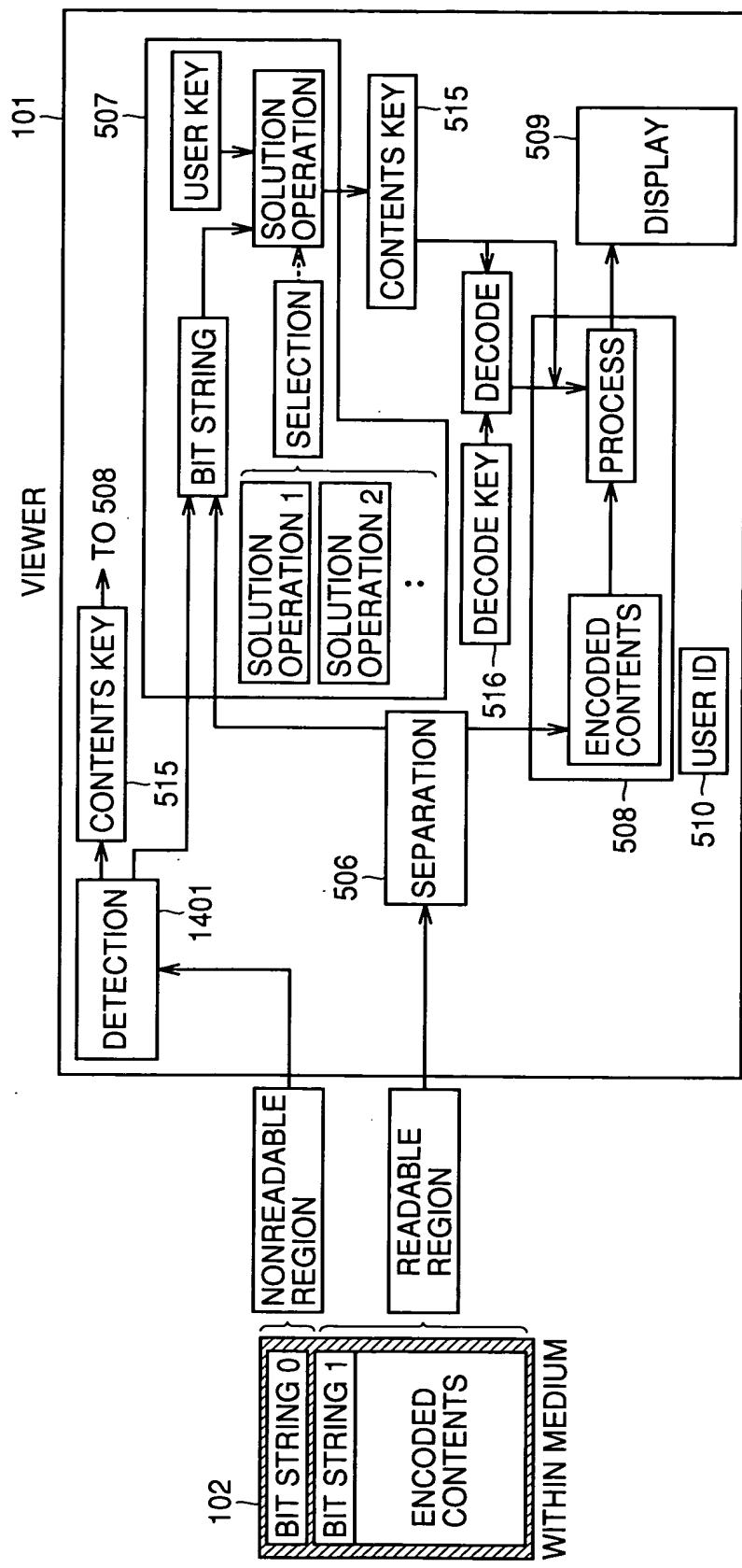
| PROCESS ID | MAGNIFICATION PROCESS | SHRINK PROCESS | REDUCING NUMBER OF COLORS |
|------------|--|-------------------------|---------------------------|
| 1 | EDGE ENHANCEMENT AFTER BI-LINEAR INTERPOLATION | SIMPLE SHRINK | BIT SLICE |
| 2 | SIMPLE MAGNIFICATION | SIMPLE SHRINK | ERROR DIFFUSION |
| 3 | BI-LINEAR INTERPOLATION | BI-LINEAR INTERPOLATION | BIT SLICE |

FIG.20



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FIG. 21



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FIG.22A

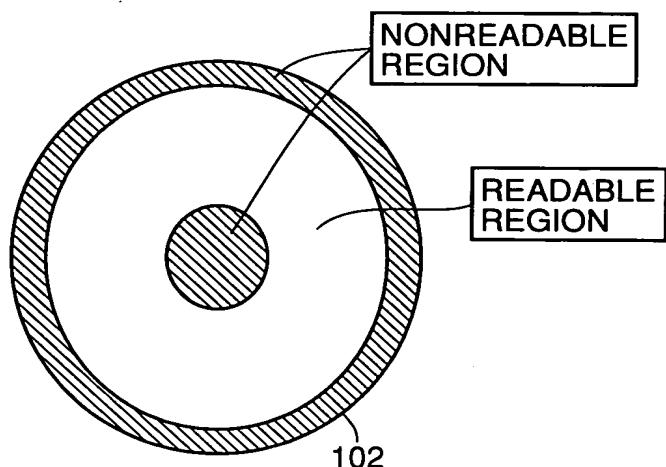
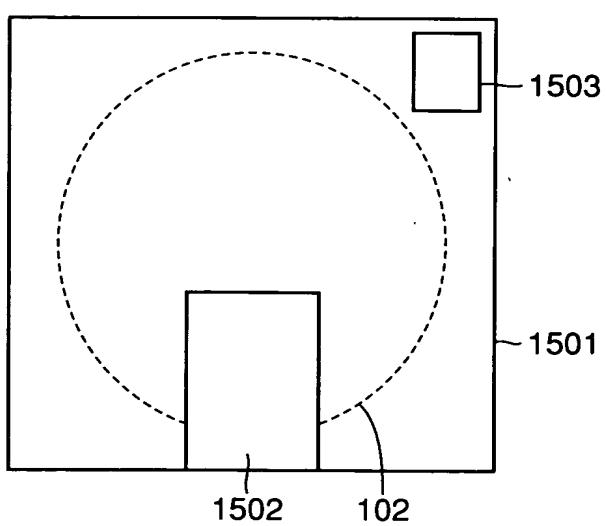
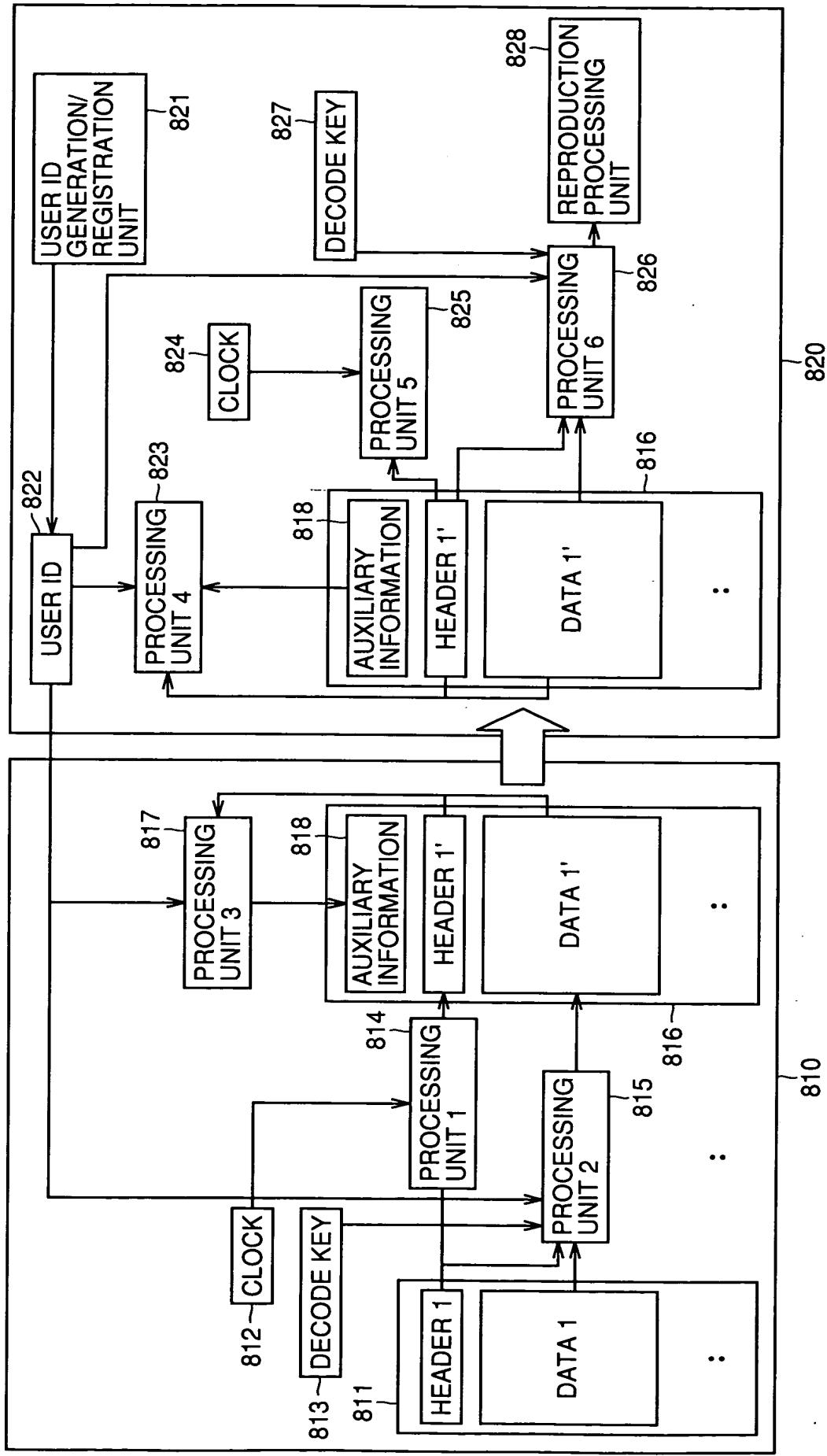


FIG.22B



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FIG.23



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FIG.24

